

ED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):10	1973	3	176

BEG. OF PROJ. NO. 1-HI-1(112):19  
B STA. 49+89.80

M.L. B STA. 53 + 00

**STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION**

# DETAIL PLAN OF ROADWAY

F.A.I. PROJECT NO. I-HI-1(12)-19

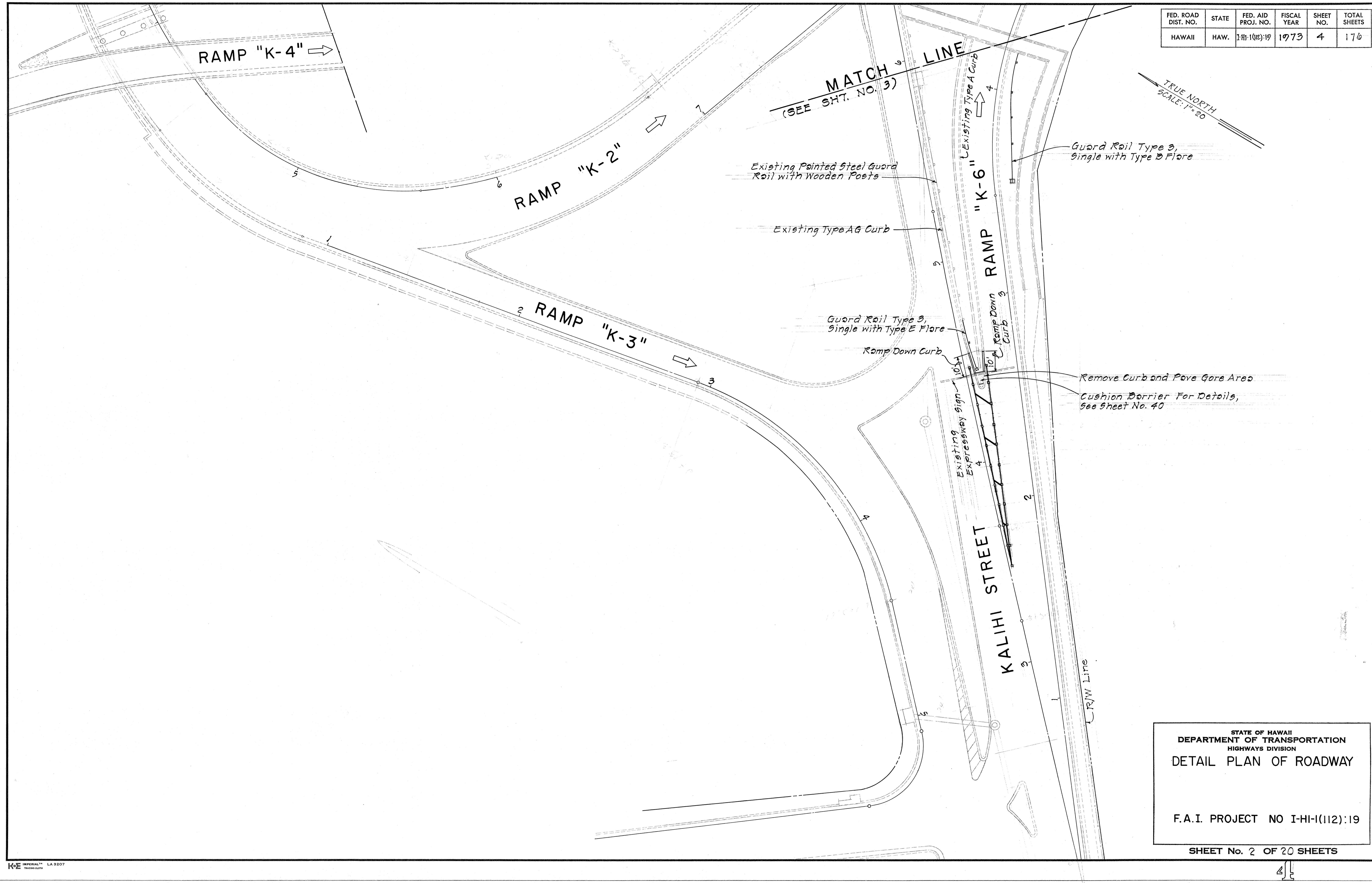
SHEET No. 1 OF 20 SHEETS

M.L. (SEE SHT. NO. 4 )

ORIGINAL PLAN	NOTE BOOK	SURVEY PLOTTED BY DRAWN BY TRACED BY DESIGNED BY QUANTITIES BY CHECKED BY	DATE " " " " " " " " " " " " " " " " " "

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	4	176

SHEET No. 2 OF 20 SHEETS



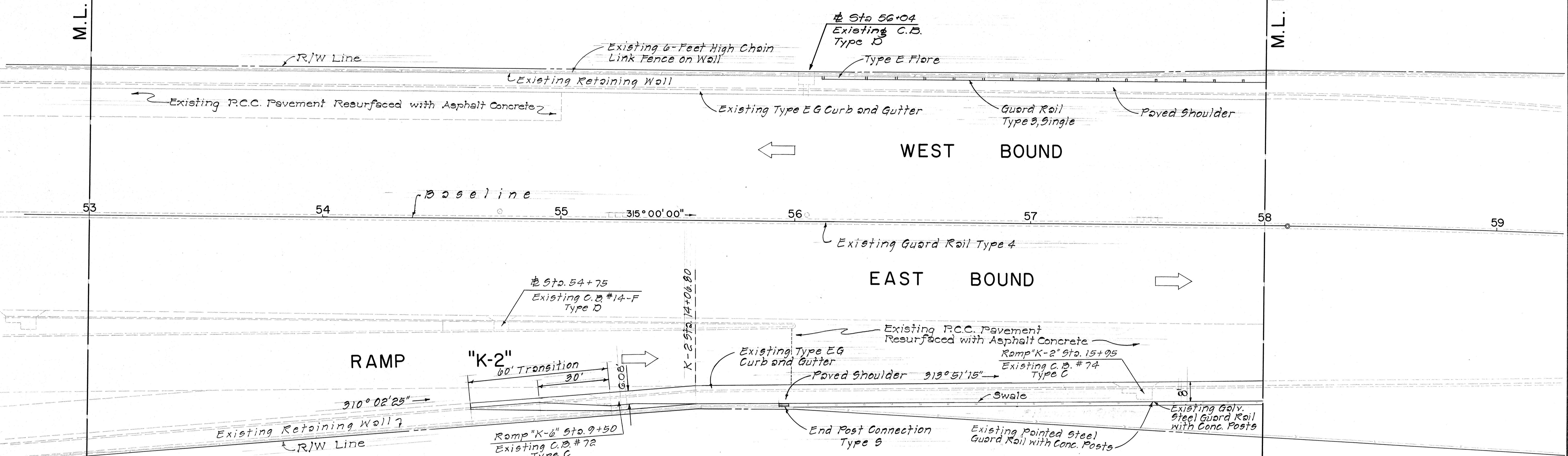
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	5	176

M.L. STA. 53+00

M.L. STA. 58+00

M.L. STA. 58+00

TRUE NORTH  
SCALE: 1/4" = 100'



ORIGINAL PLAN	DATE
NOTE BOOK	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
DETAIL PLAN OF ROADWAY

F.A.I. PROJECT NO. I-HI-1(112):19

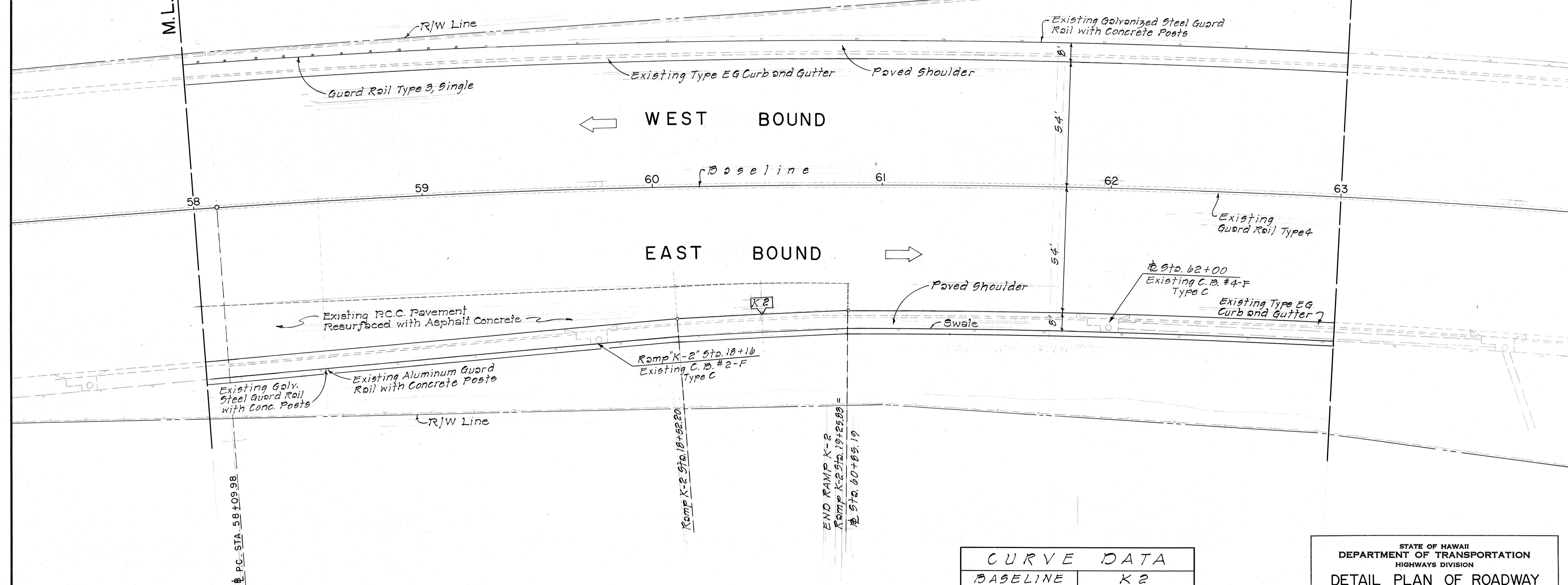
SHEET No. 3 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	6	176

TRUE NORTH  
SCALE: 1" = 20'

M.L. B STA. 63 + 00

M.L.B STA. 58 + 00



ORIGINAL PLAN	SURVEY PLOTTED BY DRAWN BY TRACED BY DESIGNED BY	DATE " " " " " " " " " " " "
NOTE BOOK	QUANTITIES BY CHECKED BY	" " " " " "
No.		

CURVE DATA	
BASELINE	K 2
$\Delta = 12^{\circ} 59' 40''$	$\Delta = 5^{\circ} 16' 23''$
$R = 3,819.72$	$R = 800.00$
$T = 435.01$	$T = 76.92$
$Lc = 866.30$	$Lc = 73.63$

**STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION**

F.A.I. PROJECT NO. I-HI-I(112):19

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-(II2):19	1975	1	176

TRUE NORTH  
SCALE: 1" = 20'

M.L. STA. 63+00

M.L. STA. 68+00

NORTH FRONTAGE

STRUCTURE NO. 1

WEST BOUND

EAST BOUND

SOUTH FRONTAGE

HOUGHTAILING  
STREET

CURVE DATA

$\Delta = 12^\circ 59' 40''$   
 $R = 3,819.72$   
 $T = 438.01$   
 $L_c = 866.30$

P.T. STA. 66+76.28

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
DETAIL PLAN OF ROADWAY

F.A.I. PROJECT NO. I-HI-I(II2):19

M.L. STA. 68+00

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	8	176

REVISED: 10/1/73

TRUE NORTH  
Scale: 1" = 20'

M.L. STA. 73 + 75

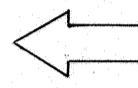
P.C. STA. 73 + 89.02

R-1 P.T. STA. 1+92.77

(R/W Line)

## NORTH FRONTAGE

Existing 2½" Waterline

¾" Valve  
Guard Rail  
Type 3, Single

Existing Chain Link Fence

Paved Shoulder

Swale

Existing Type EG Curb and Gutter

# Sta. 70+75  
Existing C.B. #14-F  
Type BInstall ¾" Water Service  
Line for Cushion Barrier.  
For Schematic, See System 3A  
on Sht. No. 96

Ramp down Curb

¾" Loose Key Hose  
Faucet with Key

10'

RAMP "1"

Existing Light Standard

Existing Type AG Curb and Gutter

Cushion Barrier  
For Details, See Sht. Nos. 41 & 42Existing P.C.C. Pavement  
Resurfaced with Asphalt Concrete

Existing Type A Curb

Existing Type E Curb

50'

Curb Transition

Existing Type E Curb

Existing Type A Curb

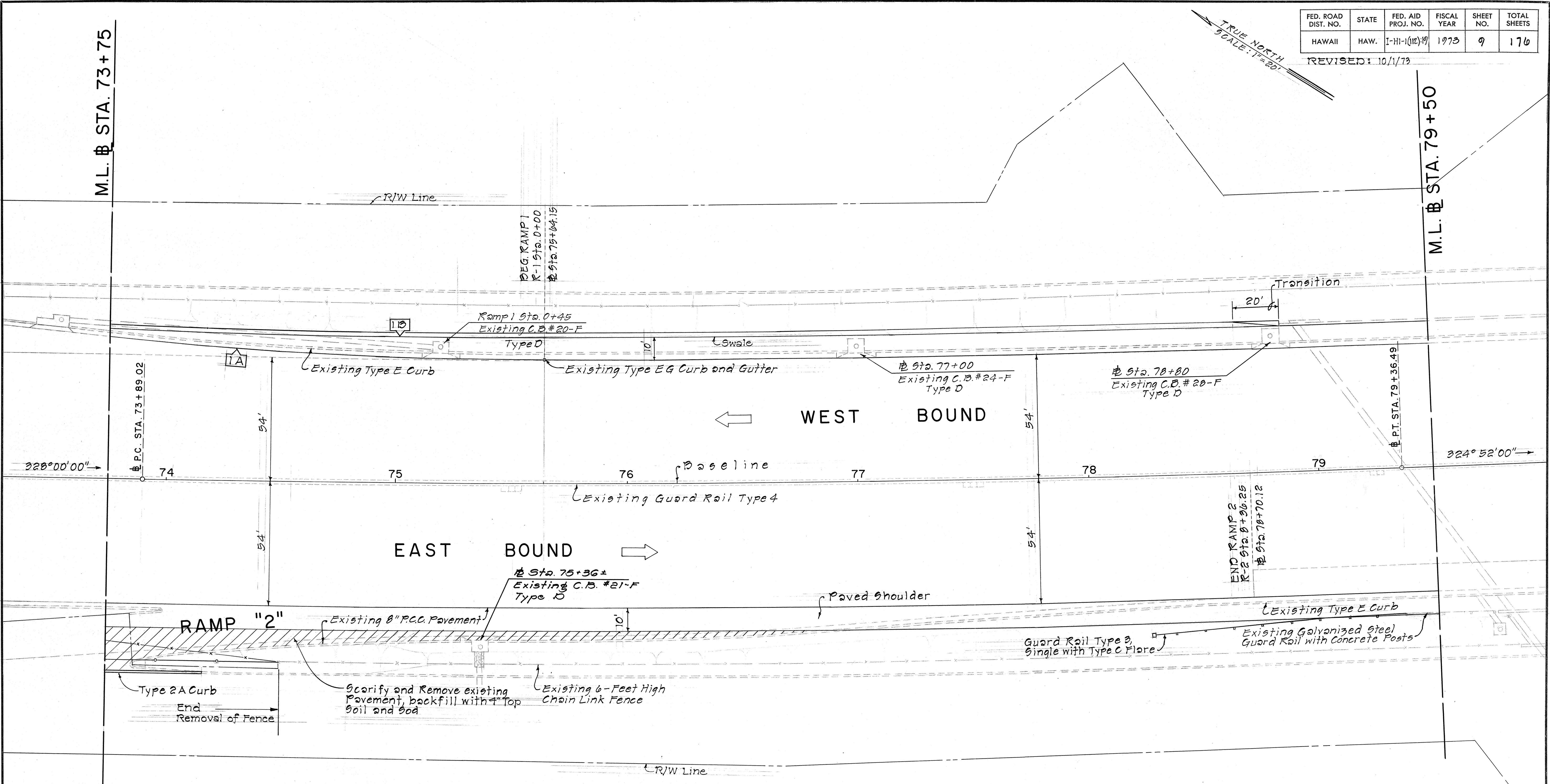
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	9	176

REVISED: 10/1/73

TRUE NORTH  
SCALE: 1/200

M.L. STA. 79 + 50

M.L. STA. 73 + 75



ORIGINAL PLAN	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK No.	

CURVE DATA	
BASELINE	1A
$\Delta = 3^\circ 08'00''$	$\Delta = 6^\circ 00'00''$
$R = 10,000.00$	$R = 1,907.69$
$T = 273.50$	$T = 99.98$
$Lc = 546.87$	$Lc = 199.77$

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
DETAIL PLAN OF ROADWAY

F.A.I. PROJECT NO. I-HI-1(112):19

SHEET No. 7 OF 20 SHEETS

(9)

14

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	10	176

M.L. B STA. 79 + 50

TRUE NORTH  
SCALE: 1" = 60'

R/W Line

## NORTH FRONTAGE

Flush Shoulder on Bridge  
Structure. For Details, See  
Sht. Nos. 168 & 169STRUCTURE  
NO. 2(KAPALAMA  
BRIDGE)CANAL  
NO. 1)Existing Galvanized Steel Guard Rail  
Guard Rail with Conc. Posts Type 3 Single

Existing Type EG Curb and Gutter

Paved Shoulder Existing C.D. #32-F  
Type A

50' Transition

Existing E Curb

Existing P.C.C. Pavement  
Resurfaced w/Asphalt Concrete

30' 60' Transition

Existing C.D. #37-F  
Type C

30' 30' Transition

Existing 2½" Copper Waterline

Cushion Barrier  
For Details, See Sht. No. 43 & 44

Existing Galvanized Steel Guard Rail with Conc. Posts

Existing P.C.C. Pavement  
Resurfaced w/Asphalt ConcreteRamp 4 51° 1+50  
Existing C.D. #30-F  
Type D

330° 52'

Type 2AG Curb and Gutter  
97 Lin. Ft.

Existing Type A Curb

Ramp 4 RT. 51° 1+08.97

Paved Shoulder

R-4 STA. 80+15.48

R-4 STA. 80+15.48

R/W Line

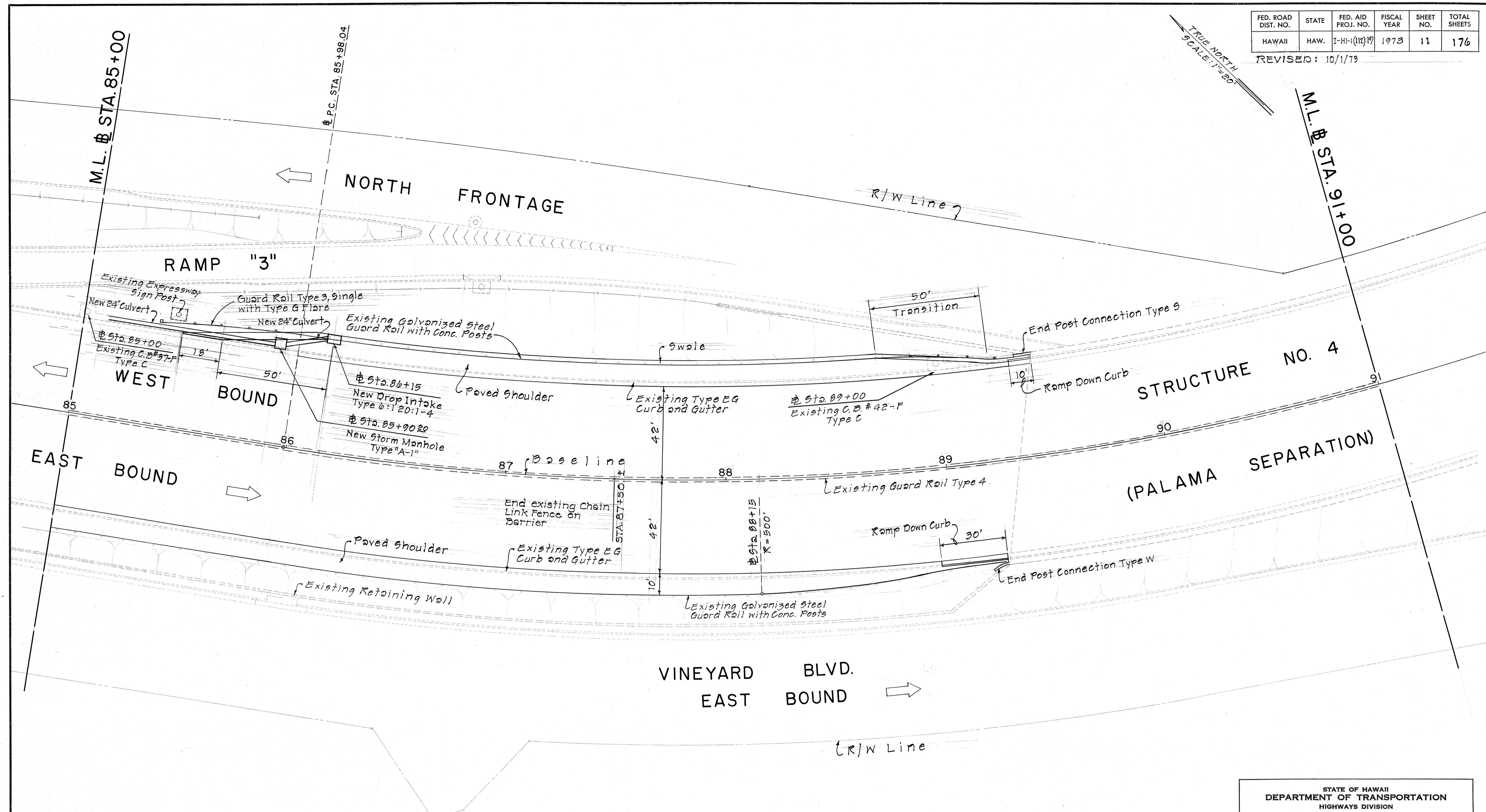
R-4 STA. 80+15.48

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-(112):19	1973	11	176

REVISED: 10/1/73

TRUE NORTH  
SCALE: 1" = 20'

M.L. STA. 91+00



ORIGINAL	STORY PLOTTED BY	DATE
DRAWN BY		
TRACED BY		
DESIGNED BY		
NOTE BOOK		
No. _____	QUANTITIES BY	CHECKED BY

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
DETAIL PLAN OF ROADWAY

F.A.I. PROJECT NO. I-HI-I(112):19

SHEET No. 9 OF 20 SHEETS

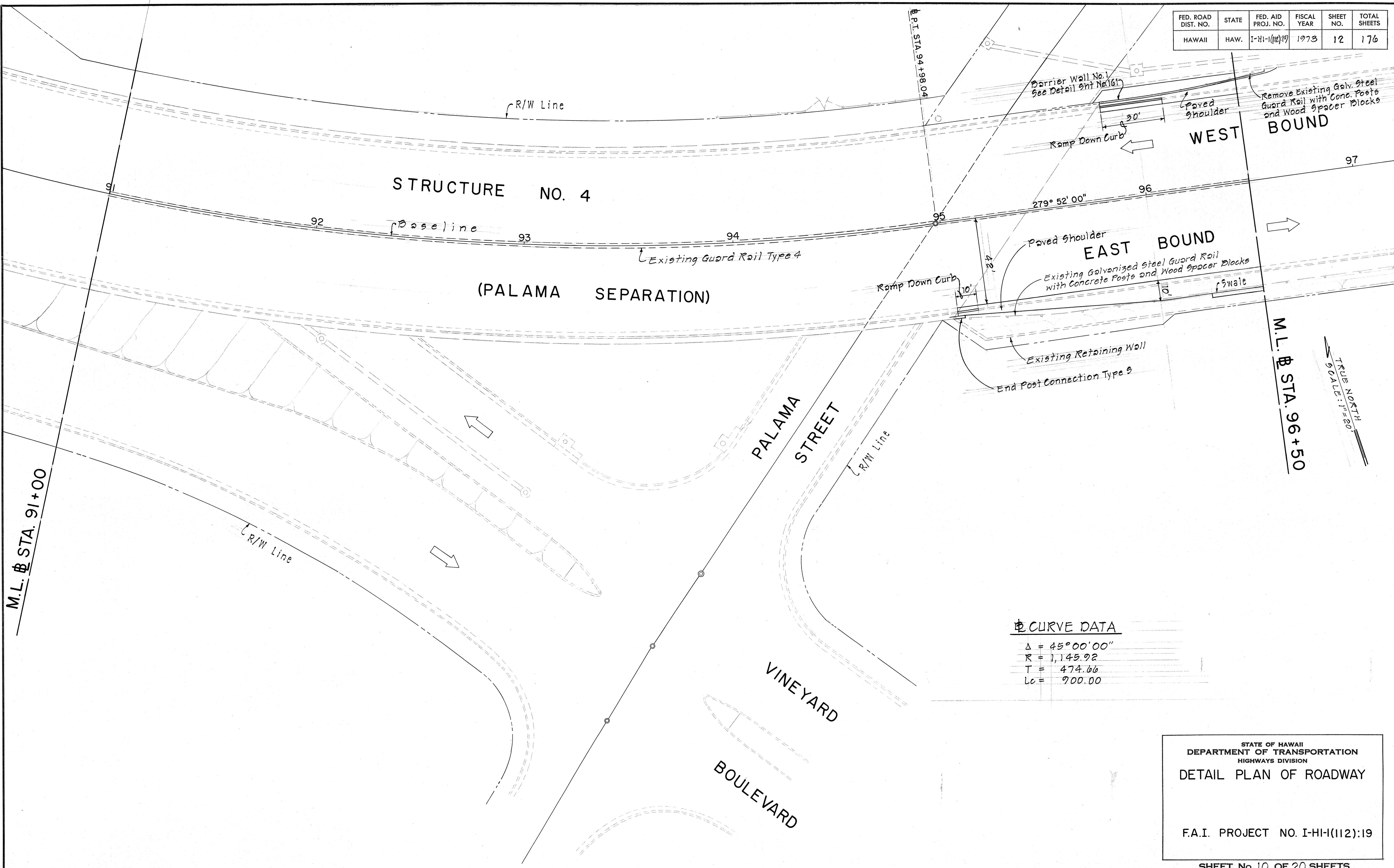
11

16

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	12	176

STRUCTURE NO. 4

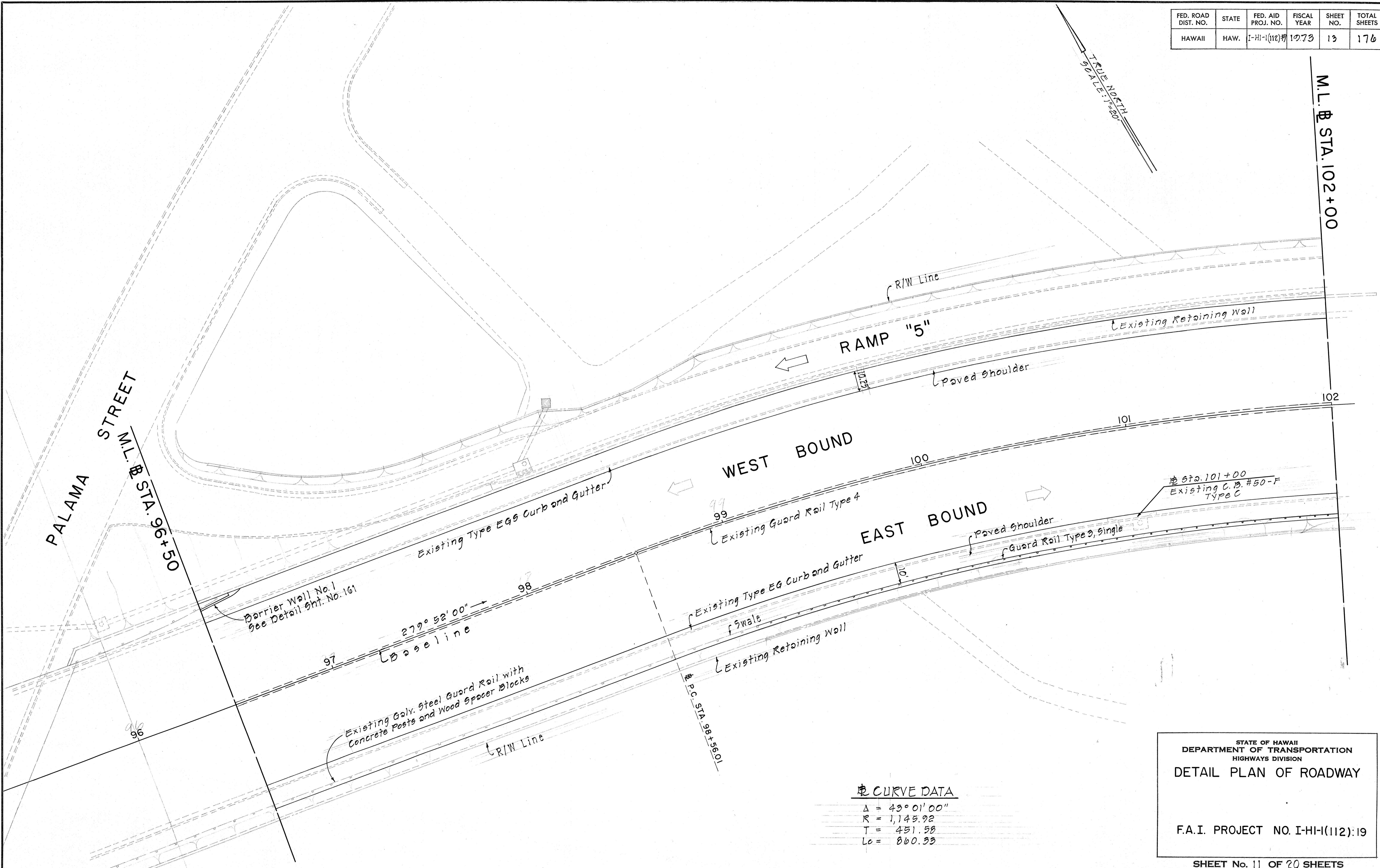
(PALAMA SEPARATION)



ORIGINAL	SURVEY PLOTTED BY	DATE
PLAN	DRAGAN	
DESIGNED BY	TECHN. ENGR.	
NOTE BOOK	DESIGNED BY	
No.	QUANTITIES BY	
	CHECDED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	13	176

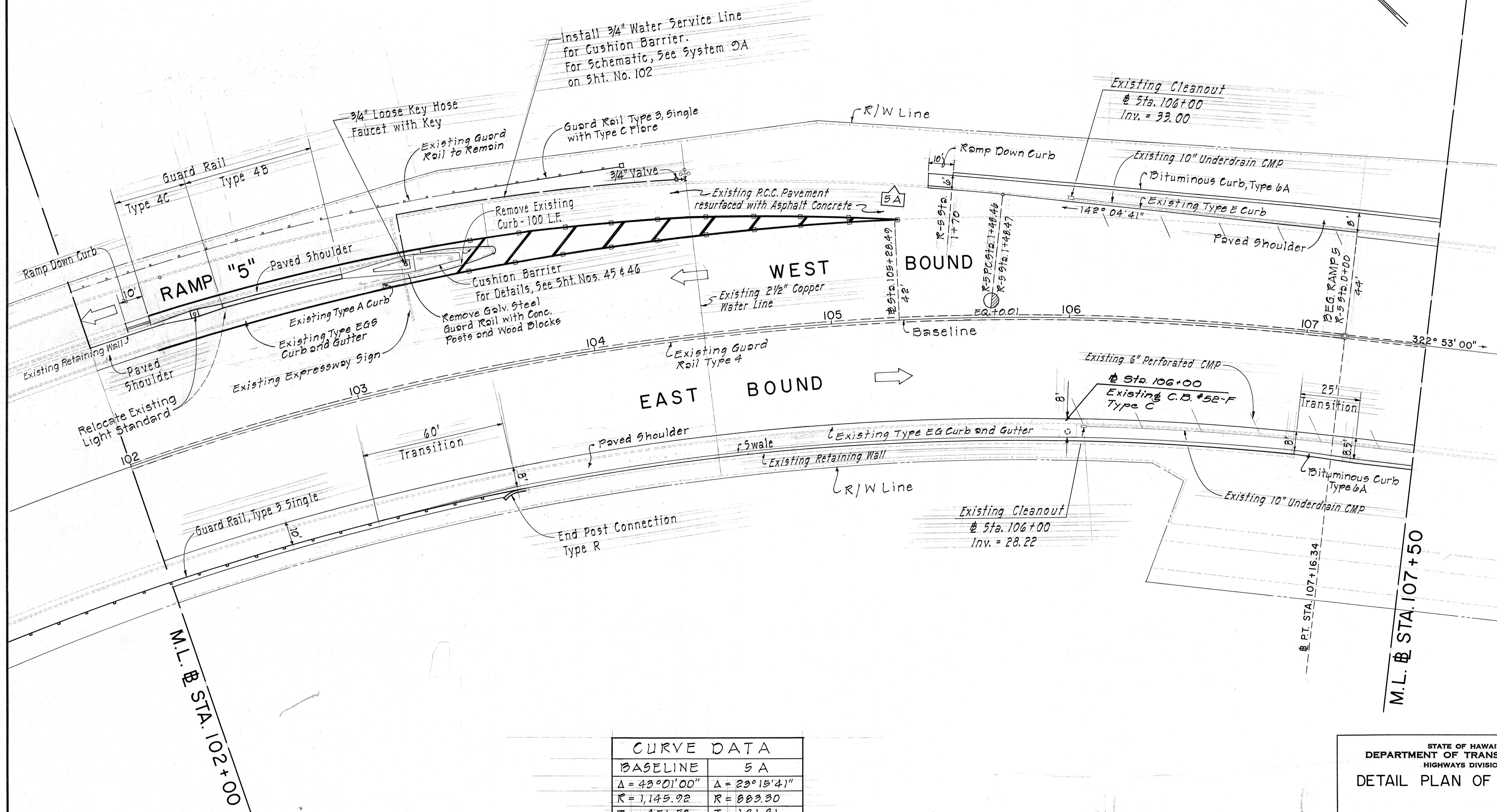
M.L. STA. 102+00



ORIGINAL PLAN
STUDY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
NOTE BOOK No.

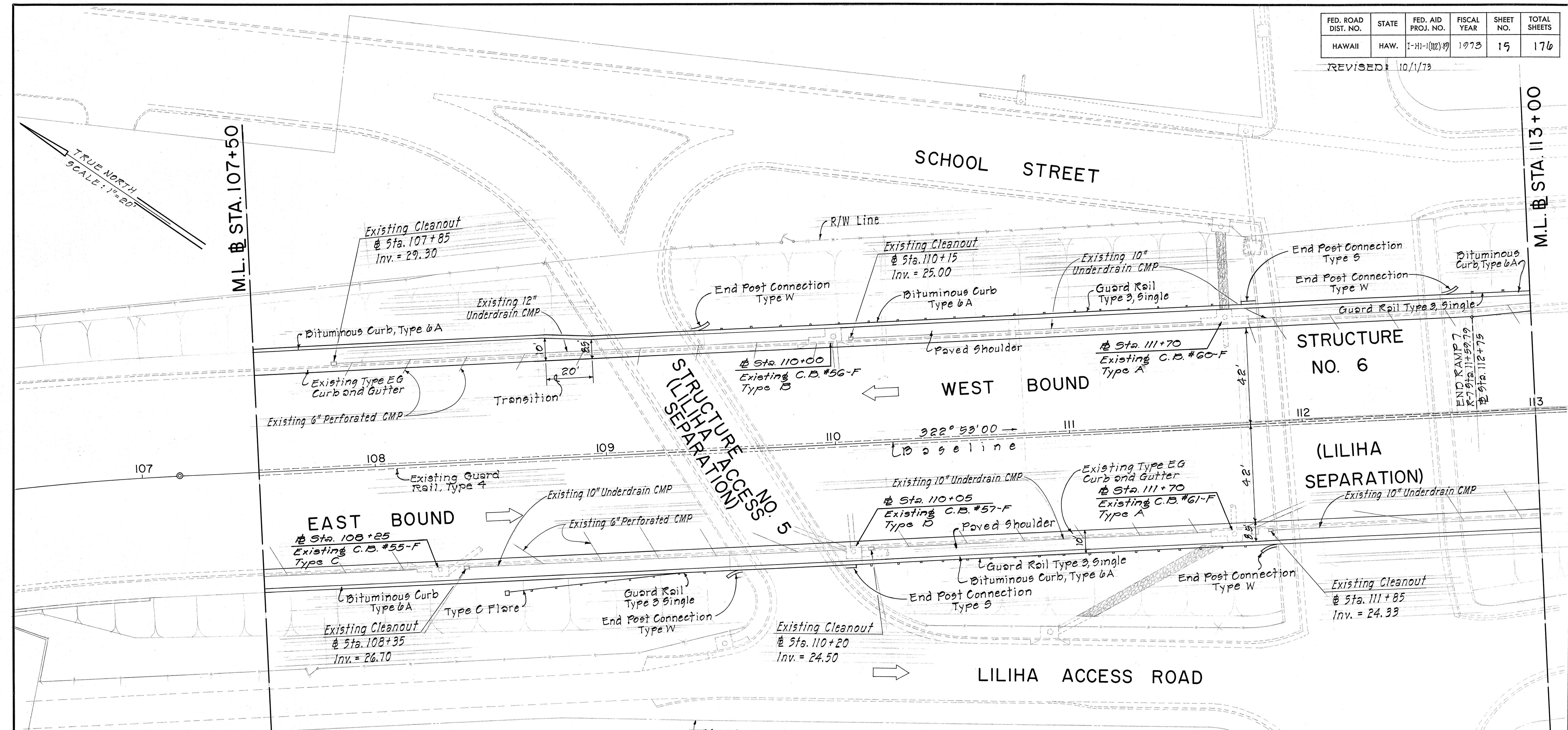
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	14	176

TRUE NORTH  
Scale: 1/8" = 20'



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	15	176

REVISED: 10/1/73



**STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION**

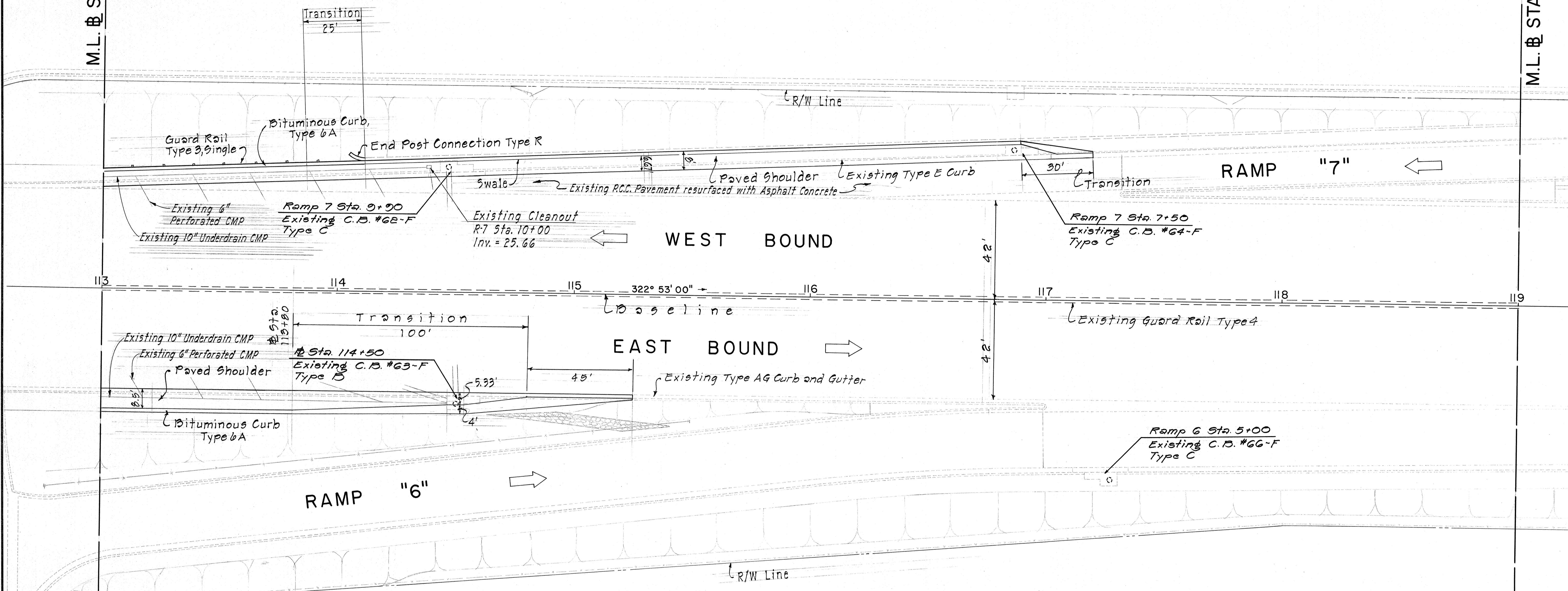
F.A.I. PROJECT NO. I-HI-1(112):19

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112)19	1973	16	176

**TRUE NORTH  
SCALE: 1" = 20'**

M.L. B STA. 113+00

M.L. B STA. 119 + 00



ORIGINAL PLAN	SURVEY PLOTTED BY DRAWN BY TRACED BY	DATE " " "
NOTE BOOK	DESIGNED BY QUANTITIES BY CHECKED BY	" " "
No.		

**STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION**

F.A.I. PROJECT NO. I-HI-I(II2):19

SHEET No. 14 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	HEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112)19	1973	17	176

R/W Line

### SCHOOL STREET

RAMP "7"

P.C.C. Pav't.

10'

50'

Ramp Down Curb

Existing Type AG  
Curb and Gutter

Flow Line

# Sta. 121+00  
Existing C.B. #69-F  
Type B

110' Transition

Paved Shoulder

WEST BOUND

Concrete Barrier  
Wall No 2. See  
Detail Sht. No 160

Swale

# Sta. 123+75  
Existing C.B. #71-F  
Type B

Baseline

EAST BOUND

Ramp G Sta. 7+25  
Existing C.B. #67-F  
Type A

RAMP "6"

60' Transition

30'

Ramp G Sta. 9+25  
Existing C.B. #70-F  
Type C

Existing R.C.C. Pavement  
resurfaced with Asphalt Concrete

Paved Shoulder

Bituminous  
Curb, Type GA

Guard Rail  
Type 3 Single

Type C Flare  
End Post  
Connection  
Type W

Ramp G Sta. 11+50  
Existing C.B. #72-F  
Type C

STRUCTURE NO. 7  
(AALA ST. EXT.  
SEPARATION)

M.L. STA. 119+00

M.L. STA. 125+00

TRUE NORTH  
SCALE: 1" = 60'

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
DETAIL PLAN OF ROADWAY

F.A.I. PROJECT NO. I-HI-1(112):19

SHEET No. 15 OF 20 SHEETS

15

20

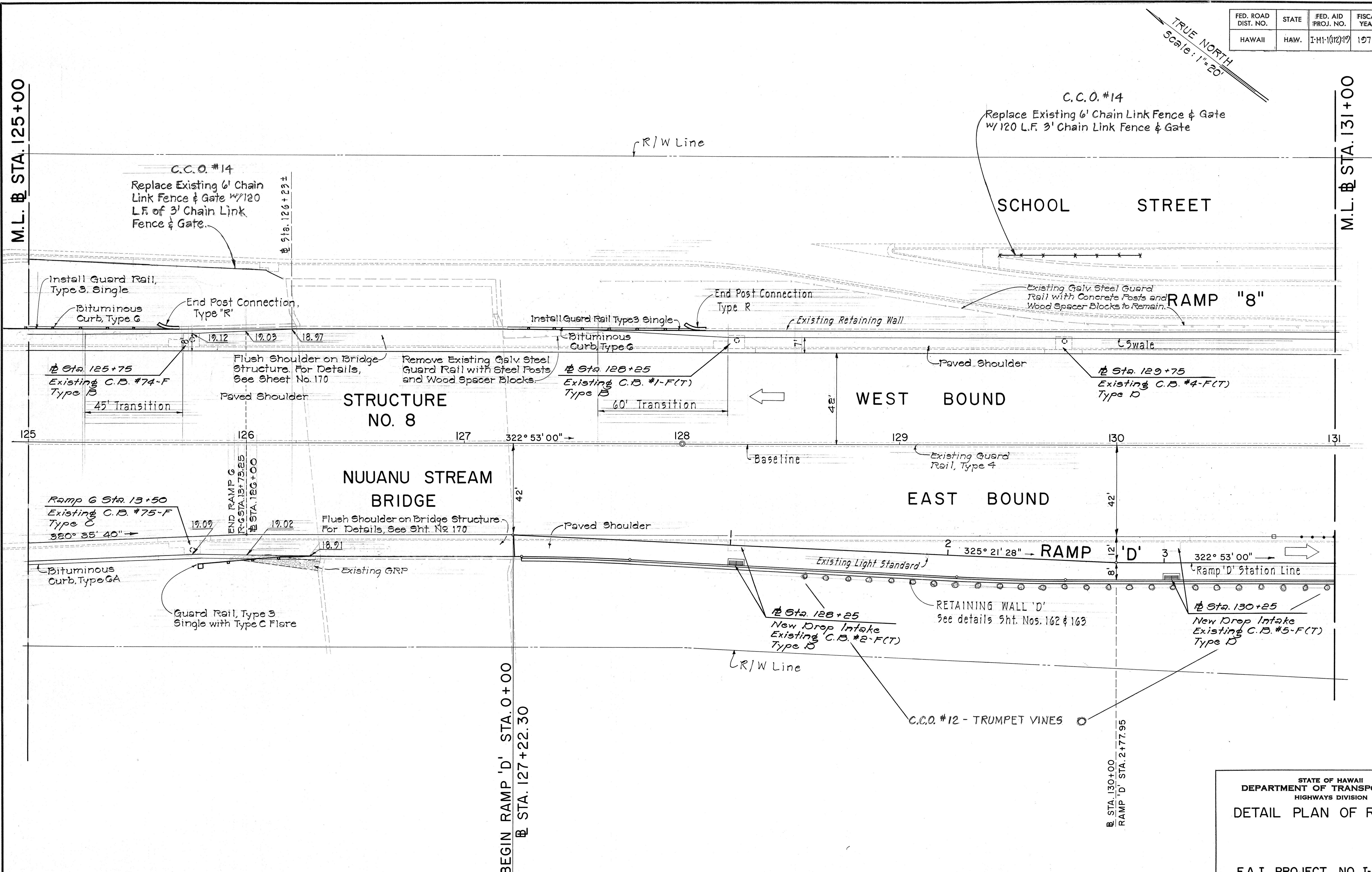
ORIGINAL	PLATED BY
PLAN	
DRIVEN BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK	
No. _____	

STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
WAII	I-H1-1(12):19	1973	18	176

FED. R.  
DIST.  
HAW

M.L. STA. 125 + 00

BEGIN RAMP 'D' STA. O + 00



**STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION**

F.A.I. PROJECT NO. I-HI-I(112):19

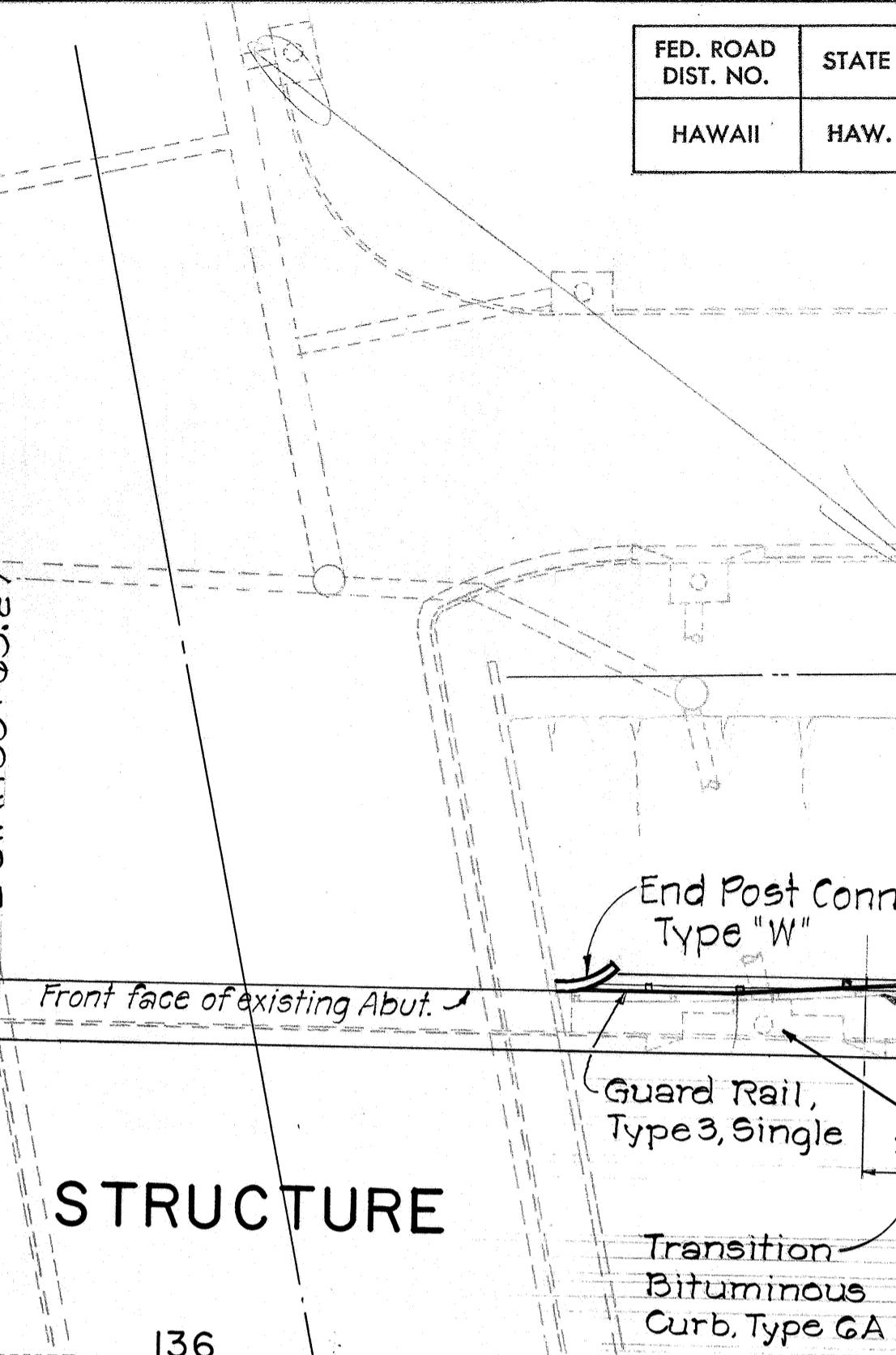
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	19	176

M.L. STA. 137+00

Remove Existing Galv.  
Steel Guard Rail with  
Concrete Posts and  
Wood Spacer Blocks

# Sta. 136+73

Existing C.B. #2-L(T)  
Type A



STRUCTURE

NO. 11

NUU  
AVENUE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
DETAIL PLAN OF ROADWAY

F.A.I. PROJECT NO. I-HI-1(112):19

SHEET No. 17 OF 20 SHEETS

19

20

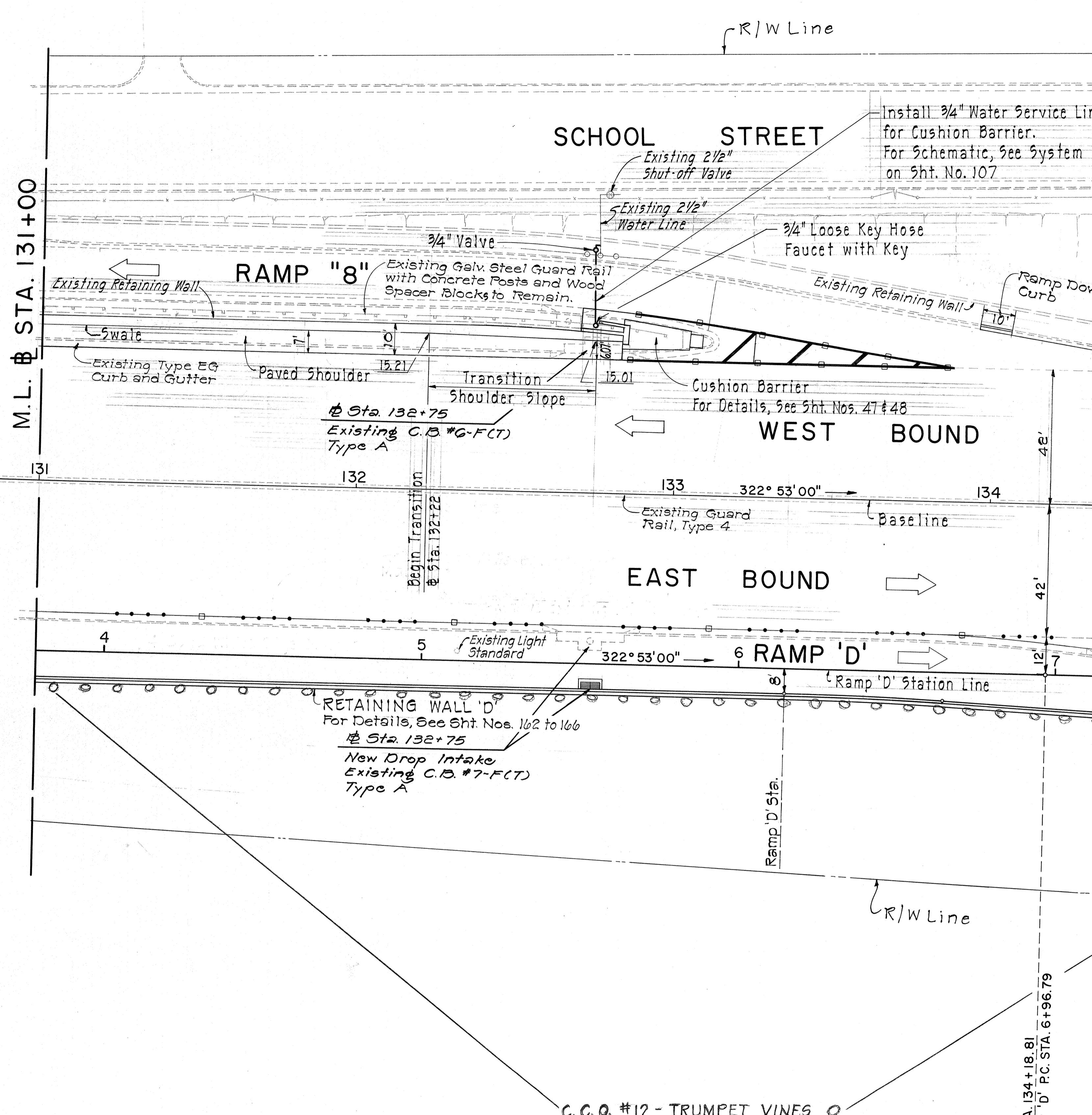
### CURVE DATA

100	8-A	101
A = 5° 42' 38"	9° 05' 00"	5° 42' 38"
R = 2023.45	500.00	500.00
T = 100.92	39.78	24.94
Lc = 201.67	79.27	49.79

EQ = -50.67

B STA. 134+18.81  
RAMP 'D' PC STA. 6+96.79

B STA. 134+49.73  
STA. 135+00



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE

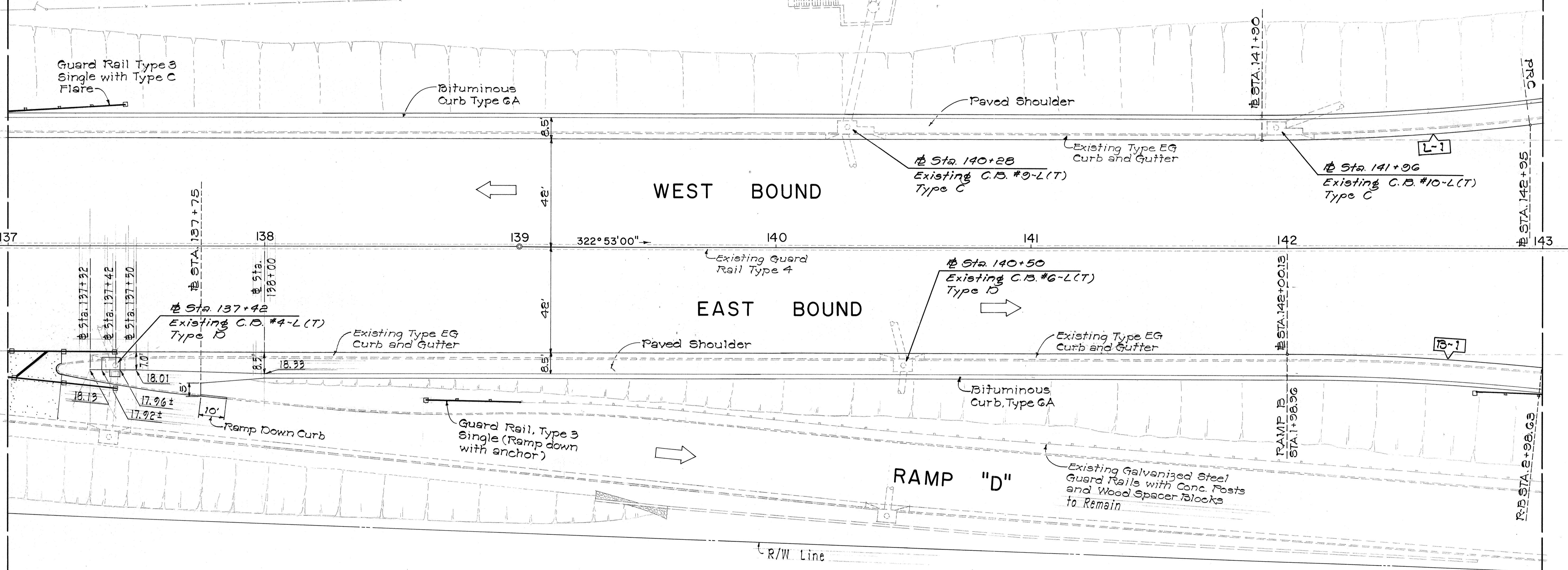
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	20	176

M.L. STA. 137+00

TRUE NORTH  
SCALE: 1" = 20'

R/W Line

## SCHOOL STREET



ORIGINAL	SURVEY PLOTTED BY	DATE
PLAN	DRWNS BY	
NOTE BOOK	TRACED BY	
No.	DESIGNED BY	
	CHECKED BY	

## CURVE DATA

	L-1	18-1
△ =	6° 38' 22"	5° 42' 38"
R =	921.75'	1000.00'
T =	52.66'	49.87'
Lo =	105.61'	99.67'

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
DETAIL PLAN OF ROADWAY

F.A.I. PROJECT NO. I-HI-1(112):19

SHEET No. 18 OF 20 SHEETS

20



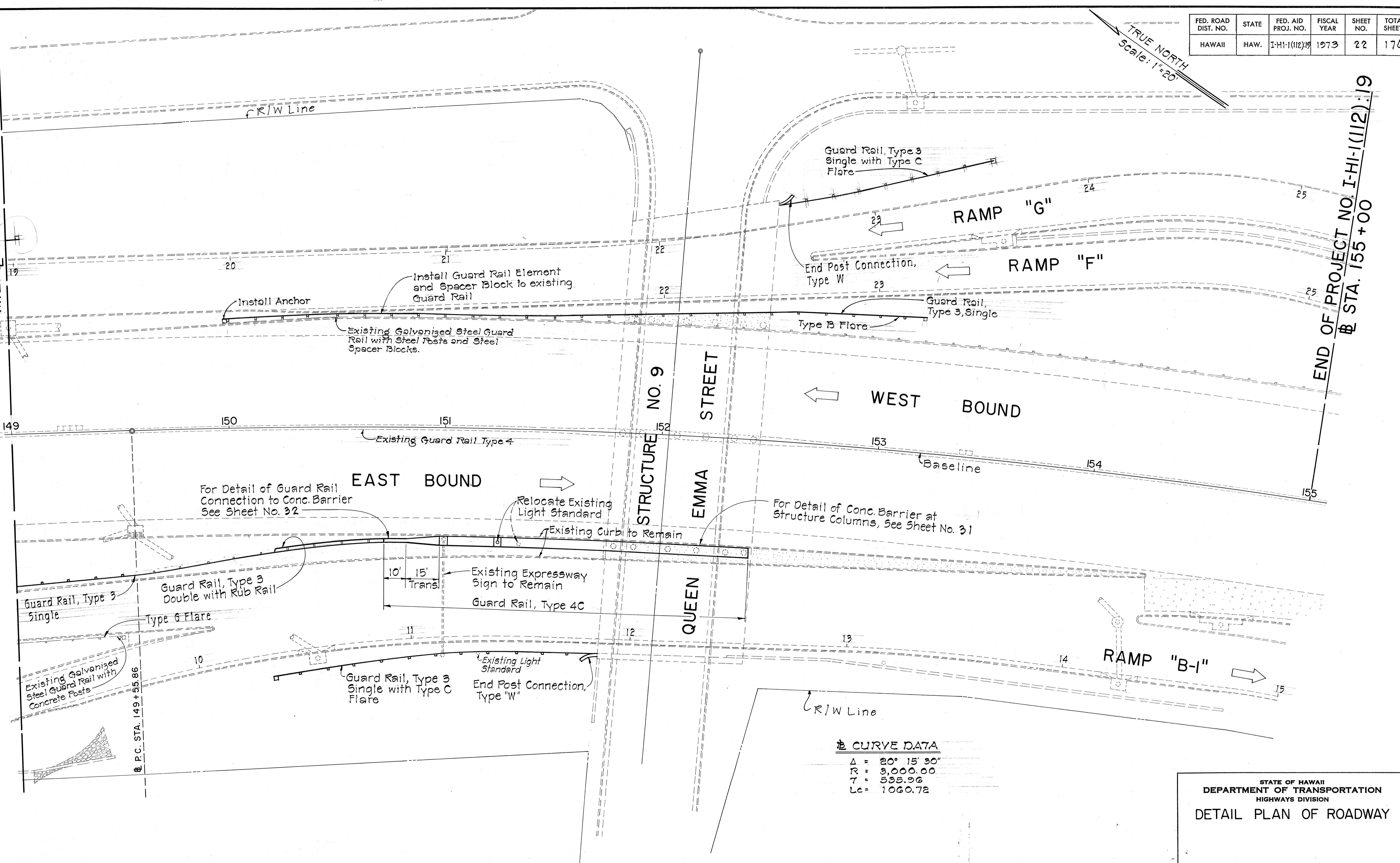
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	22	176

TRUE NORTH  
Scale: 1"=20'

END OF PROJECT I-HI-1(112):19  
B STA. 155+00

M.L. B STA. 149+00

R/W Line



ORIGINAL PLAN	STUDYED BY
DRAWN BY	TRACED BY
DESIGNED BY	QUANTITIES BY
NOTE BOOK	CHECKED BY

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY

F.A.I. PROJECT NO. I-HI-1(112):19

SHEET No. 20 OF 20 SHEETS

(2) (2)

(2)